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(54) Title: 4,4'-BIPHENOL POLYSULFONE COMPOSITIONS, PROCESS TO PREPARE THEM, AND ARTICLES MADE THEREOF

(57) Abstract: 4,4'-Biphenol polysulfone composition comprising: as main ingredient, at least one polysulfone comprising more than 50 mol.% of recurring units formed by reacting 4,4'-biphenol with at least one sulfone monomer SM₁(B⁰¹PSU), more than 0.01% by weight, based on the total weight of the composition, of at least one phosphorus-containing compound chosen from organic phosphites and organic phosphonites, and at least one polysulfone comprising more than 50 mol.% of recurring units formed by reacting bisphenol A with at least one sulfone monomer SM₂(B⁰¹A PSU). 4,4'-Biphenol polysulfone composition containing at least 60% by weight, based on the total weight of the 4,4'-biphenol polysulfone composition, of at least one B⁰¹PSU, said composition having a melt viscosity ratio at 410°C and at a shear rate of 50 s⁻¹ (VR₄₀) of below 1.20. Process which is especially well-suited to prepare the above compositions. Articles made from the above compositions or prepared by the above process.



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